PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4883667

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JONGJAE LEE	02/19/2018
DAE-SIK LEE	02/19/2018
YANGUK NAM	02/19/2018
YOOMI KIM	02/19/2018
SONGYI HAN	02/19/2018

RECEIVING PARTY DATA

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Street Address:	1, SAMSUNG-RO, GIHEUNG-GU
City:	YONGIN-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15904722

CORRESPONDENCE DATA

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JAMES J. MERRICK, CANTOR COLBURN LLP **Correspondent Name:**

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ATTORNEY DOCKET NUMBER:	HAA0572US
NAME OF SUBMITTER:	JAMES J. MERRICK
SIGNATURE:	/James J. Merrick/
DATE SIGNED:	03/26/2018

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> PATENT REEL: 045350 FRAME: 0618

COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM¹

igned acknowledges that this document is being used both as an	assignment of
on and as the declaration (37 CFR 1.63) for a Utility or Design App	olication.
the undersigned, hereinafter referred to collectively as Assignor,	has invented:
VOLTAGE GENERATION CIRCUIT HAVING OVER-CURRENT FUNCTION AND DISPLAY DEVICE HAVING THE SA	
ssignor is about to make or has made United States or Internatio	inal application
as a below named inventor(s), I/(we) hereby declare that:	
Declaration	
ation is directed to:	
The attached U.S. non-provisional patent application, or	
U.S. non-provisional patent application number, or	filed
PCT international patent application number	filed on
dentified application was made or authorized to be made by me	(us).
ve that I am (we are) the original inventor (original joint inventor: the above-identified application.	s) of a claimed
by acknowledge that any willful false statement made in this decl under 18 U.S.C. 1001 by fine or imprisonment of not more than f	
	the undersigned, hereinafter referred to collectively as Assignor, VOLTAGE GENERATION CIRCUIT HAVING OVER-CURRENT FUNCTION AND DISPLAY DEVICE HAVING THE SA ssignor is about to make or has made United States or Internation as a below named inventor(s), I/(we) hereby declare that: leclaration tion is directed to: The attached U.S. non-provisional patent application, or U.S. non-provisional patent application number on PCT international patent application number dentified application was made or authorized to be made by me te that I am (we are) the original inventor (original joint inventor) the above-identified application.

SDC Ref No. LL-201701-005-1-US0 Attorney Ref No. HAA0572US
COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM
PATENT

KORYO IP & LAW PATENT
1829084792 REEL: 045350 FRAME:: 06194899

¹ This form requires the use of an Application Data Sheet.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

Section II. Assignment

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to

Samsung Display Co., Ltd.

having an address at 1, Samsung-Ro, Giheung-Gu, Yongin-Si, Gyeonggi-Do, Republic of Korea (hereinafter designated as the Assignee), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in Section I of this document.

Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, reexamination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters

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LL-201701-005-1-US0

Attorney Ref No.

HAA0572US

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM

Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

The undersigned hereby grant(s) the law firm of Cantor Colburn LLP the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Section III. Inventor(s)/Assignor(s) Signature(s)

LEGAL NAME OF	Family Name	First Given Name	Second Given Name
FIRST INVENTOR/ASSIGNOR	LEE	Jongjae	
		DATE	2018 01 19

SECOND			• · · · · · · · · · · · · · · · · · · ·
INVERTOR/ASSIGNOR	LEE	Dae-sik	
SIGNATURE		DATE	2018, 02, 19

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Attorney Ref No.

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LEGAL NAME OF	Family Name	First Given Name	Second Given Name
THIRD INVENTOR/ASSIGNOR	NAM	Yanguk	
	fat.	DATE	2018,02.19
SIGNATURE	10mm -		

LEGAL NAME OF	Family Name	First Given Name	Second Given Name
FOURTH INVENTOR/ASSIGNOR	KIM	Yoomi	
			<u>1</u>
SIGNATURE	Kim toom;	DATE	2018.a2 19

LEGAL NAME OF	Family Name	First Given Name	Second Given Name
FIFTH INVENTOR/ASSIGNOR	HAN	Songyi	
		1	
signature /	Yan Sonyi	DATE	2018.01.19

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Attorney Ref No.

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